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| 10:024,073      | 12:17/2001  | Hisamitsu Takagi     | FUJI 17.514A        | 4278             |

26304 7590 08/15/2003

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EXAMINER

DINH, TUAN T

| ART UNIT | PAPER NUMBER |
|----------|--------------|
|----------|--------------|

2827

DATE MAILED: 08/15/2003

Please find below and/or attached an Office communication concerning this application or proceeding.

# Office Action Summary

Application No.

10/024,073

Applicant(s)

TAKAGI, HISAMITSU

Examiner

Tuan T Dinh

Art Unit

2827

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

## Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

## Status

- 1) ☒ Responsive to communication(s) filed on 16 July 2003.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

## Disposition of Claims

- 4) ☒ Claim(s) 10-16 is/are pending in the application.
- 4a) Of the above claim(s) 10 is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 11-16 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

## Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on \_\_\_\_\_ is: a) ☐ approved b) ☐ disapproved by the Examiner.
- If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

## Priority under 35 U.S.C. §§ 119 and 120

- 13) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some \* c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \* See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
- a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

## Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449) Paper No(s) \_\_\_\_\_.
- 4) ☐ Interview Summary (PTO-413) Paper No(s). \_\_\_\_\_.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: \_\_\_\_\_.

### DETAILED ACTION

The request filed on 07/16/03 for a Request for Continued Examination (RCE) under 37 CFR 1.114 based on parent Application No. 10/024,073 is acceptable and a RCE has been established. An action on the RCE follows.

#### ***Claim Rejections - 35 USC § 102***

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

2. Claims 11-14 are rejected under 35 U.S.C. 102(e) as being anticipated by Smith et al. (U. S. Patent 6,207,901).

As to claim 11, Smith discloses a flexible cable (20-figure 1, column 3, line 23) as shown in figures 1-2 comprising:

a coaxial part (including structure of elements 22 and 24, column 3, lines 24-25) comprising:

a flexible base (22, column 3, line 24); and

first and second conductor patterns (30, 26, column 3, lines 29-31) forming an inner and outer conductors respectively and,

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the flexible base (22) being disposed between said first and second conductor patterns (30, 26) so as to form an electrical insulation there between, and

a third conductor patterns (46, column 3, lines 65-66) disposed atop the flexible base (see figure 1) in addition to and apart from the first and second conductor patterns (30, 26) and outside of a coaxial type arrangement.

As to claims 15, Smith discloses a flexible cable (20) as shown in figures 1-2 comprising:

a base (22) having a surface provided with first and second terminals (both ends of element 34-see figure 1);

a first conductor pattern (30) disposed on the surface of the base via a spacer (36) and electrically connected to the first terminal;

a second conductor pattern (46) having a structure outside of a coaxial type arrangement, and electrically connected to the second terminal (34); and

a third conductor pattern (26) disposed on an outer side of the first conductor pattern (30) and forming a coaxial structure together with the first conductor pattern.

### ***Claim Rejections - 35 USC § 103***

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

4. Claims 12-14, and 16 are rejected under 35 U.S.C. 103(a) as being unpatentable over Smith ('901) in view of Schreiber et al. (U. S. Patent 4,845,311).

As to claims 12-14, and 16, Smith discloses a flexible cable (20) as shown in figures 1-2 comprising:

a coaxial part (22, 24) comprising:

a first conductor pattern (30);

two band-shaped second conductor patterns (26-figure 1) disposed parallel to and respectively above and below said first conductor pattern (30), said two band-shaped second conductor patterns being wider than said first conductor pattern (see figures 3-5); and

an insulator (22) interposed between said first conductor pattern (30) and said two band shaped second conductor patterns (26); and a part, which is a third conductor pattern (46) set aside from the coaxial part and outside a coaxial type arrangement.

Smith does not disclose said two band-shaped conductor patterns having through-holes.

Schreiber shows a coaxial part comprising two band-shaped conductor pattern (20, 16-figure 3) having through holes (48-59-figure 7, column 4, line 12) through which said two band-shaped conductor patterns are electrically connected.

It would have been obvious to one having ordinary skill in the art at the time the invention was made to have two band-shaped having through holes, as taught by Schreiber, employ in the coaxial part of Smith in order to provide electrical interconnections between each of conductor patterns

***Response to Arguments***

5. Applicant's arguments with respect to claims 11-16 have been considered but are moot in view of the new ground(s) of rejection.

***Conclusion***

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Hamby and Doane, Jr. et al. disclose related art.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Tuan T Dinh whose telephone number is 703-306-5856. The examiner can normally be reached on M-F.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David L. Talbott can be reached on 703-305-9883. The fax phone numbers for the organization where this application or proceeding is assigned are 703-305-1341 for regular communications and 703-305-1341 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-308-0956.

TD

January 09, 2003.

David A. Zarneke  
David A. Zarneke  
Ar 2827